

## EAST Search History

| Ref # | Hits | Search Query                                                                                                                                                                                                     | DBs                                                   | Default Operator | Plurals | Time Stamp       |
|-------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------------------|---------|------------------|
| L1    | 2    | "6651522".pn.                                                                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/05/10 09:36 |
| L2    | 10   | ("3234808"   "4098072"   "4147071"   "4768545"   "5167465"   "5303104"   "6267373"   "6347559"   "6450053").<br>PN. OR ("6651522").URPN.                                                                         | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | OFF     | 2006/05/10 09:36 |
| L3    | 33   | ("2499270"   "2588137"   "3021399"   "3098131"   "3140727"   "3269689"   "3366752"   "3553720"   "3578923"   "3581028"   "3999442"   "4166206"   "4302639"   "4319101"   "4339109").<br>PN. OR ("4514105").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | OFF     | 2006/05/10 09:41 |
| L4    | 14   | ("3180606"   "4392279"   "4715569").<br>PN. OR ("5167465").URPN.                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | OFF     | 2006/05/10 09:42 |
| L5    | 2    | "20040151536"                                                                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/05/10 11:14 |
| L6    | 2    | 5 and guide adj ring                                                                                                                                                                                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/05/10 11:14 |
| S1    | 685  | (74/421A).CCLS.                                                                                                                                                                                                  | USPAT;<br>USOCR                                       | OR               | OFF     | 2006/01/26 08:57 |
| S2    | 10   | ((("3234808") or ("4098072") or ("4147071") or ("4768545") or ("5167465") or ("5303104") or ("6267373") or ("6347559") or ("6450053"))).PN.                                                                      | USPAT;<br>USOCR                                       | OR               | OFF     | 2006/01/26 08:42 |
| S3    | 1671 | (74/421R).CCLS.                                                                                                                                                                                                  | USPAT;<br>USOCR                                       | OR               | OFF     | 2006/01/26 08:58 |
| S4    | 971  | S1 or S3 and (locat\$4 or guide)                                                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/01/26 09:51 |
| S5    | 944  | S1 or S3 and (locat\$4 or guide) and (ring or member or part)                                                                                                                                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/01/26 09:02 |

## EAST Search History

|     |      |                                                                |                                                       |    |     |                  |
|-----|------|----------------------------------------------------------------|-------------------------------------------------------|----|-----|------------------|
| S6  | 703  | S1 or S3 and (locat\$4 or guide) near (ring or member or part) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/01/26 09:03 |
| S7  | 480  | 74/409.ccls. and (locat\$4 or guide)                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/01/26 10:10 |
| S8  | 428  | 74/395-397.ccls. and (locat\$4 or guide)                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/01/26 10:22 |
| S9  | 1769 | 403/348-350.ccls.                                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/01/26 10:22 |
| S10 | 678  | 403/348-350.ccls. and (locat\$4 or guide)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/01/26 10:24 |

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| Ref # | Hits | Search Query                                                                                                                                                                                                 | DBs                                                   | Default Operator | Plurals | Time Stamp       |
|-------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|------------------|---------|------------------|
| L1    | 2    | "6651522".pn.                                                                                                                                                                                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/05/10 09:36 |
| L2    | 10   | ("3234808"   "4098072"   "4147071"   "4768545"   "5167465"   "5303104"   "6267373"   "6347559"   "6450053").PN. OR ("6651522").URPN.                                                                         | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | OFF     | 2006/05/10 09:36 |
| L3    | 33   | ("2499270"   "2588137"   "3021399"   "3098131"   "3140727"   "3269689"   "3366752"   "3553720"   "3578923"   "3581028"   "3999442"   "4166206"   "4302639"   "4319101"   "4339109").PN. OR ("4514105").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | OFF     | 2006/05/10 09:41 |
| L4    | 14   | ("3180606"   "4392279"   "4715569").PN. OR ("5167465").URPN.                                                                                                                                                 | US-PGPUB;<br>USPAT;<br>USOCR                          | OR               | OFF     | 2006/05/10 09:42 |
| L5    | 2    | "20040151536"                                                                                                                                                                                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/05/10 11:14 |
| L6    | 2    | 5 and guide adj ring                                                                                                                                                                                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/05/10 11:14 |
| S1    | 685  | (74/421A).CCLS.                                                                                                                                                                                              | USPAT;<br>USOCR                                       | OR               | OFF     | 2006/01/26 08:57 |
| S2    | 10   | ((("3234808") or ("4098072") or ("4147071") or ("4768545") or ("5167465") or ("5303104") or ("6267373") or ("6347559") or ("6450053"))).PN.                                                                  | USPAT;<br>USOCR                                       | OR               | OFF     | 2006/01/26 08:42 |
| S3    | 1671 | (74/421R).CCLS.                                                                                                                                                                                              | USPAT;<br>USOCR                                       | OR               | OFF     | 2006/01/26 08:58 |
| S4    | 971  | S1 or S3 and (locat\$4 or guide)                                                                                                                                                                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/01/26 09:51 |
| S5    | 944  | S1 or S3 and (locat\$4 or guide) and (ring or member or part)                                                                                                                                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2006/01/26 09:02 |

## EAST Search History

|     |      |                                                                |                                                       |    |     |                  |
|-----|------|----------------------------------------------------------------|-------------------------------------------------------|----|-----|------------------|
| S6  | 703  | S1 or S3 and (locat\$4 or guide) near (ring or member or part) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/01/26 09:03 |
| S7  | 480  | 74/409.ccls. and (locat\$4 or guide)                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/01/26 10:10 |
| S8  | 428  | 74/395-397.ccls. and (locat\$4 or guide)                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2006/01/26 10:22 |
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